

## Delta Independent Science Board Educational Briefing Questionnaire

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Please provide short written responses to the following:

1. Program Title: Fish Restoration Program Agreement (FRPA)
2. Lead Agency/Department for Program:  
Department of Water Resources (DWR) & Department of Fish and Game (DFG)
3. Brief Description of Program:  
Signed on October 18, 2010, FRPA is an agreement between DFG and DWR that addresses specific Reasonable and Prudent Alternatives (RPA) in the December 2008 USWFS Biological Opinion (BiOp) for delta smelt and the June 2009 NMFS BiOp for salmon for State Water Project (SWP) and Central Valley Project (CVP) operations; and conditions of the Incidental Take Permit (ITP) from DFG for longfin smelt (February 2009) for SWP operations. FRPA will restore a minimum of 8,000 acres of intertidal and associated subtidal habitat in the Delta and Suisun Marsh.  
The specific actions include:
  - Delta Smelt BiOp RPA Component 4
  - NMFS BiOp RPA Actions 1.2.6 and 1.6.2 in partnership with USBR (Reclamation)
  - NMFS BiOp RPA Action Suite 1.6 and 1.7 (FRPA to provide funding and technical support only)
  - DFG ITP Condition 7
4. Purpose and Objectives of Program:  
The purpose is to implement the above BiOp RPAs and ITP Condition. The objectives are to:
  - Restore a minimum of 8,000 acres of intertidal and associated subtidal habitat in the Delta and Suisun Marsh, including 800 acres of mesohaline habitat to benefit longfin smelt, to enhance food production and availability for native Delta fishes;
  - Restore processes that will promote primary and secondary productivity and tidal transport of resources to enhance the pelagic food web in the Delta;
  - Increase the amount and quality of salmonid rearing and other habitat; and
  - Increase through-Delta survival of juvenile salmonids by potentially enhancing beneficial migratory pathways.
5. Timeline for Program Objectives:  
See attached table from the FRPA Implementation Strategy
6. Current Status of Program:
  - Design and planning for restoration of Prospect Island
  - Initiation of interim land management program for Prospect Island
  - Initiation of stakeholder outreach program
  - Initiation of FRPA monitoring program
7. Contact Information for Lead Staff of this Program:

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| Name  | Dan Riordan   |
| Title | Chief<br>Fish Restoration Program<br>Division of Environmental Services<br>CA Dept of Water Resources |
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8. Associated Total Annual Budget for Program:  
See attached Table1 from the FRPA Implementation Strategy
9. URL, if a Website is Available:  
FRPA and Related Documents including the FRPA MOA:  
<http://nrm.dfg.ca.gov/documents/ContextDocs.aspx?cat=Water-FRPA>  
Final FRPA Implementation Strategy:  
[http://www.water.ca.gov/environmentalservices/docs/Implementation\\_Strategy\\_Final\\_for\\_printing\\_031612.pdf](http://www.water.ca.gov/environmentalservices/docs/Implementation_Strategy_Final_for_printing_031612.pdf)
10. How does adaptive management play a role in your program?  
DWR, with the assistance of DFG and other agencies, will develop monitoring and adaptive management plans for each restoration site. Monitoring and adaptive management may also occur on an area-wide or regional level that would also support the project level effort. The degree of adaptive management (active versus passive) will be determined based on the project design, and monitoring needs will be identified based on project goals and objectives with the intent of validating preliminary modeling predictions.
- Formal strategies consistent with the adaptive management framework described in the Delta Plan will be developed for each proposed ecosystem restoration action.
11. Any additional information that would be helpful to understand the program:  
2009 DFG ITP  
<http://www.dfg.ca.gov/delta/data/longfinSmelt/documents/LongfinSmeltIncidentalTakePermitNo.2081-2009-001-03.asp>  
2009 NMFS BiOp <http://swr.nmfs.noaa.gov/ocap.htm>  
2008 USFWS BiOp <http://www.fws.gov/sfbaydelta/OCAP/index.cfm>